



POWER WHEELCHAIR

Flight Safety Certificates

LITHIUM-ION BATTERY 249.6 Wh

DRY, NON SPILLABLE

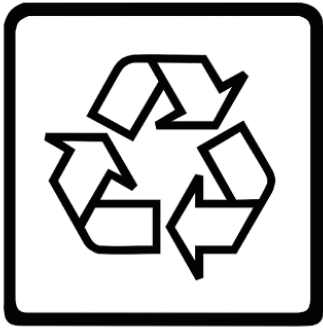
Battery dimensions: 19×16.6×4.5cm Weight 1.7776kg

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Take to Airport

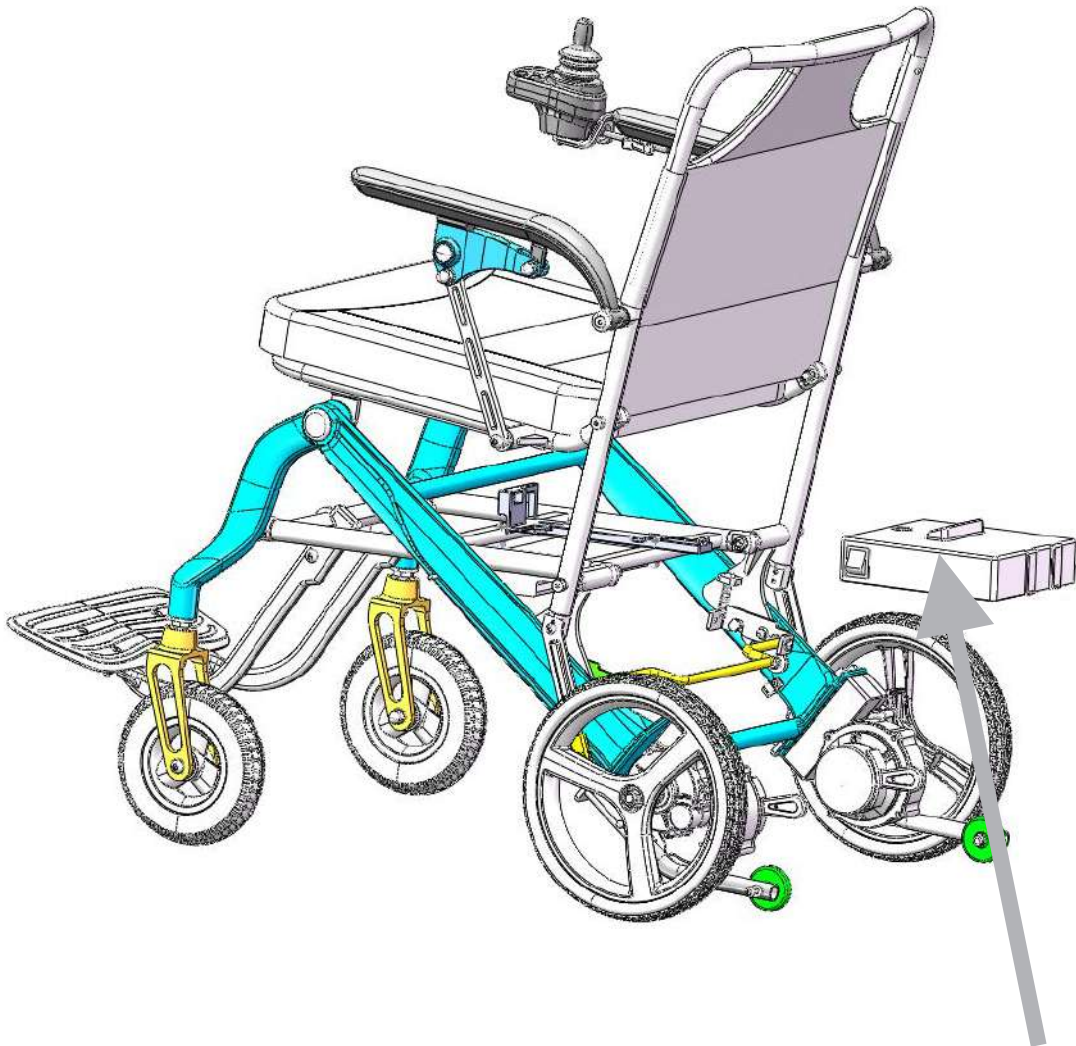


Li-ion



FDA
APPROVED

CE



BATTERY

MATERIAL SAFETY DATA SHEET

Rechargeable Li-ion battery

Model: TOPAK-C1462B

Prepared by	Approved by
May Huang	Barry He
Jan 07,2025	Jan 07,2025

Material Safety Data Sheet

Report No.: CMC241129017M01

Name of sample: Rechargeable Li-ion battery

Model: TOPAK-C1462B

Type: 24V 10.4Ah 249.6Wh

Client: Taixing keencare Health Technology Co., Ltd

Address: Group 4, Baqiao, Diaowang village, Guxi Town,
Taixing City

Tested by
(Testing Engineer)

May Huang

Approved by
(Technical Director)

Dong He

Inspected by
(Department Manager)

Dylan Dou

Seal of CMC:



Date of Issue:

2025.01.07

CMC Testing International (Shenzhen) Co., Ltd.

Material Safety Data Sheet**Section 1- Identification of the Substance/Preparation and of the Company/Undertaking**

Name of Sample	Rechargeable Li-ion battery	Weight	1777.6g
		Size (L×W×T)	(190.0×166.0×45.0)mm
Model	TOPAK-C1462B		
Manufacturer	Taixing keencare Health Technology Co., Ltd		
Manufacturer's Address	Group 4, Baqiao, Diaowang village, Guxi Town, Taixing City		
Contact Person	Mr. Zhang		
E-mail	xu.zhang@keencare.net		
Fax	--		
24h Emergency Phone No.	+86-18013221967		

Section 2- Hazards Identification

Classification of Danger	See section 14.
Primary Route(s) of Exposure	Eye, skin contact, ingestion.
Health Hazard	The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's Hazard of rupture, fire, heat, leakage of internal components, which could cause casualty loss. Abuses including but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.

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Section 3- Composition/Information on Ingredients

Chemical Name	Concentration or concentration ranges (%)	CAS Number
Lithium nickel cobalt Al	39.5	113066-89-0
Carbon Black	1.44	1333-86-4
Polyvinylidene Fluoride (PVDF)	0.7	24937-79-9
Graphite	20.6	7782-42-5
Carboxymethyl cellulose	0.39	9004-32-4
Styrene-Butadiene Rubber (SBR)	0.49	9003-55-8
Polyethylene	2.24	9002-88-4
Lithium hexafluorophosphate	14.38	21324-40-3
Copper	9.34	7440-50-8
Aluminum	3.39	7429-90-5
Nickel	0.93	7440-02-0
Fe	6.6	7439-89-6

Labeling according to EC directives.

No symbol and Hazard phrase are required.

Note: CAS number is Chemical Abstract Service Registry Number.

N/A=Not apply.

Section 4- First Aid Measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

Section 5- Fire Fighting Measures

Characteristics of Hazard	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous Combustion Products	Carbon dioxide.
Fire-extinguishing Methods and Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Attention in Fire-extinguishing	Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6- Accidental Release Measures

Personal Precautions, protective equipment, and emergency procedures	In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Prevent product from contaminating soil and from entering sewers or waterways.

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Methods and materials for Containment	Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.
Methods and materials for cleaning up	Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.

Section 7- Handling and Storage

Handling	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
Storage	Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.
Other Precautions	In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Use adequate ventilation to keep airborne concentrations low. If used under conditions that generate particulates, the ACGIH TLV-TWA of 3mg/m ³ respirable fraction (10mg/m ³ total) should be observed.
Personal Protective Equipment	<p>Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield.</p> <p>Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing.</p> <p>Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.</p>

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Section 9- Physical and Chemical Properties

Physical State	Appearance: Cuboid
	Color: Black
	Odour: If leaking, smells of medical ether.
Change in condition:	
pH	Not applicable as supplied.
Flash Point	Not applicable unless individual components exposed.
Flammability	Not applicable unless individual components exposed.
Relative density:	Not applicable unless individual components exposed.
Solubility (water)	Not applicable unless individual components exposed.
Solubility (other)	Not applicable unless individual components exposed.

Section 10 – Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids, Oxidizing agents, Bases.
Hazardous Decomposition Products	Carbon oxides.

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Section 11 – Toxicological Information

Irritation	In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.
Sensitization	Not Available.
Reproductive Toxicity	Not Available.
Toxicologically Synergistic Materials	Not Available.

Section 12-Ecological Information

General note:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Anticipated behavior of a chemical product in environment/possible environmental impact/ecotoxicity	Not Available.

Section 13 – Disposal Considerations

Waste Treatment	Recycle or dispose of in accordance with government, state & local regulations.
Attention for Waste Treatment	Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.

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Section 14 – Transport Information

第十四部分 运输信息

ICAO / IATA:	Can be shipped by air in accordance with International Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA), DGR Packing Instructions (PI) 952 appropriate of IATA DGR 66th (2025 Edition) for transportation.		
UN number	UN3556		
Proper shipping name	Lithium ion Battery-powered vehicle		
Hazard Class:	Class 9	Packing grade:	/
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.			
IMDG CODE:	Can be shipped by sea in accordance with the special provision 971 of IMDG CODE (Amdt. 42-24) 2024 Edition for transportation.		
ADR/ ADN:	Transport Requirements for United Nations Economic Commission for Europe (UNECE) ADR/ADN, Applicable as from 1 January 2025.		
In addition, to be permitted in transport each lithium cell and battery types must have passed the applicable tests set out in Subsection 38.3 of the UN Manual of Tests and Criteria. The batteries should be well protected against short circuits.			

Section 15 – Regulatory Information

Dangerous Goods Regulations

Recommendations on the Transport of Dangerous Goods-Model Regulations (23rd revised edition)

UNITED NATIONS “Manual of Tests and Criteria”

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG Code 2024 Edition Amdt 42-24)

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods (GB 6944-2012)

2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws

Section 16 – Additional Information

MSDS creation date: 2025

Version: 1.1

Sample photo :



To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*****End of report*****

Testing laboratory: CMC Testing International (Shenzhen) Co., Ltd.

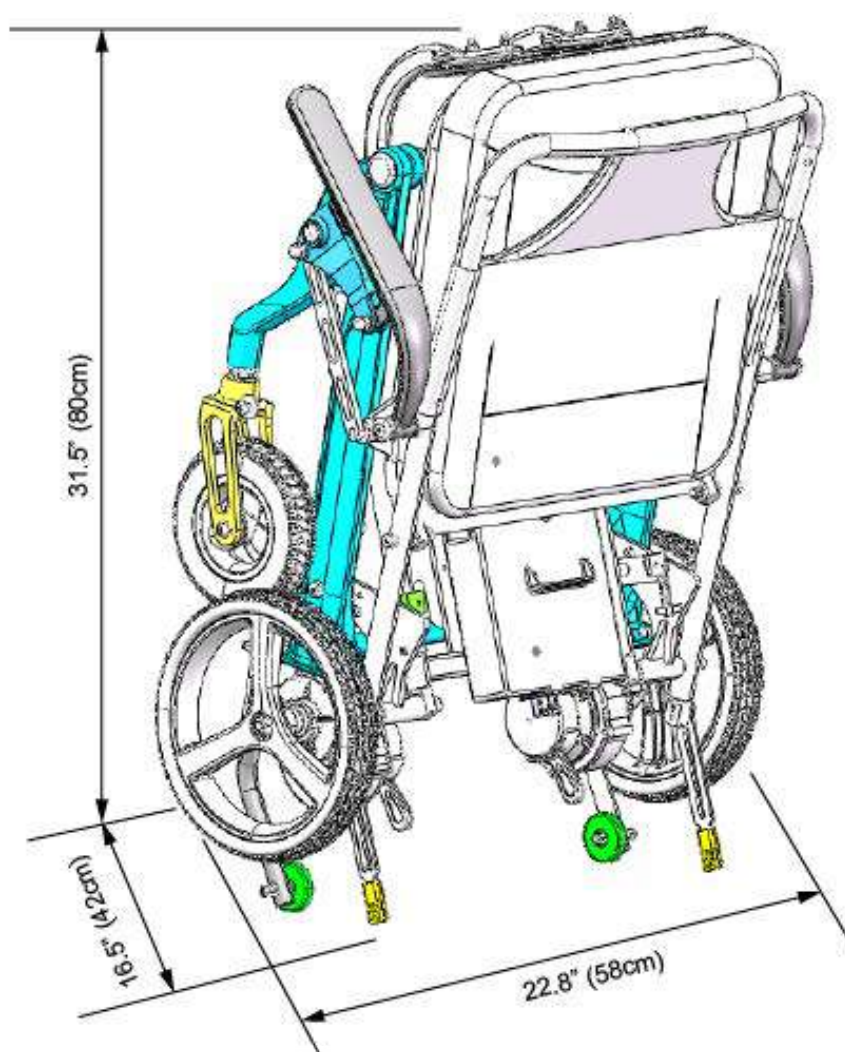
Address: 1-3F, Building 7, He'er Hongben Industrial Zone, Dawangshan Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tel (电话): 400-1668-320 E-mail: info@cmczi-lab.com <http://www.cmczi-lab.com>

Wheelchair Sizes & Dimensions

- For sending to the cargo bay:

In trolley mode (folded, as shown in picture) 80x58x42 cm



Trolley Mode
33.7lbs. (15.3kg)
w/out battery

For more information please contact Moving Life



USA +1-559-354-1089

UK +44-(0)20-3885-7801

Israel +972-(0)73-391-3999



info@movinglife.com

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